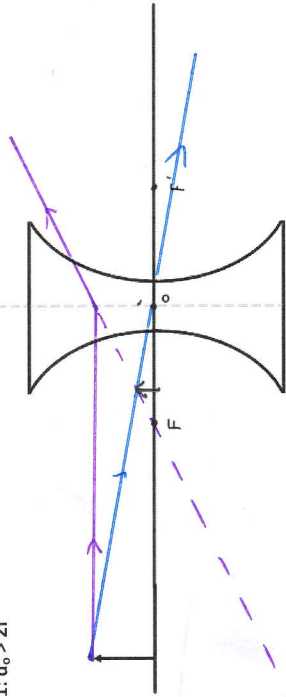


Diverging Lenses – Worksheet

Just as we had 5 cases with converging mirrors, we have the following 5 cases with converging lenses:

Find the following images of the objects for each of the 5 cases. Describe the images in the space provided.

Case 1: $d_o > 2f$



Characteristics of image (compared to object):

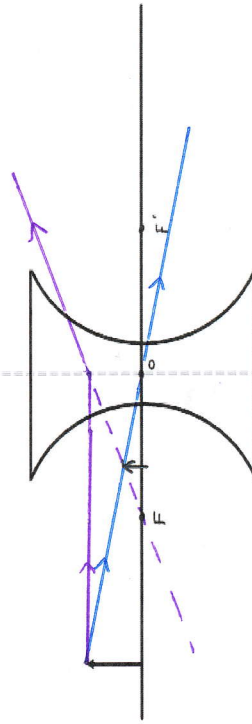
Size: *Smaller*

Position: *Between F and O*

Orientation: *Upright*

Type: *Virtual*

Case 2: $d_o = 2f$



Characteristics of image (compared to object):

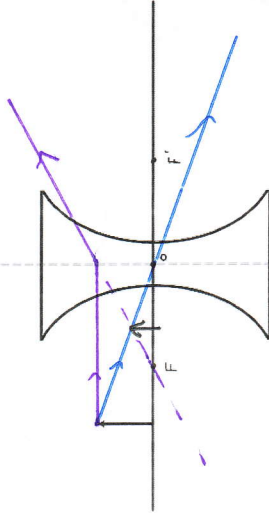
Size: *Smaller*

Position: *Between F and O*

Orientation: *Upright*

Type: *Virtual*

Case 3: $2f > d_o > f$



Characteristics of image (compared to object):

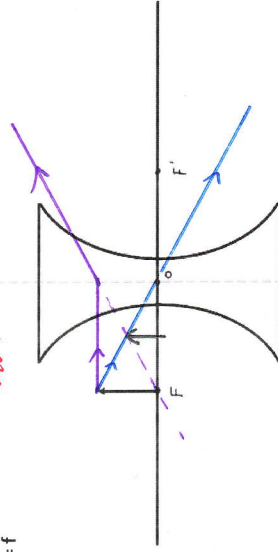
Size: *Smaller*

Position: *Between F and O*

Orientation: *Upright*

Type: *Virtual*

Case 4: $d_o = f$



Characteristics of image (compared to object):

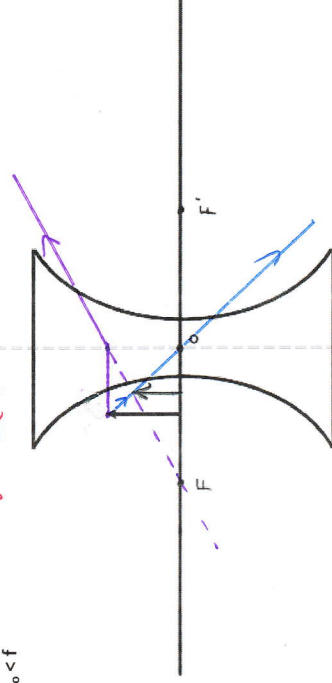
Size: *Smaller*

Position: *Between F and O*

Orientation: *Upright*

Type: *Virtual*

Case 5: $d_o < f$



Characteristics of image (compared to object):

Size: *Smaller*

Position: *Between F and O*

Orientation: *Upright*

Type: *Virtual*